Title (en)

Foam-type vascular prosthesis with well-defined angio-permissive open porosity

Title (de)

Schaumartige Prothese mit gut definierter angio-permissiver offener Porosität

Title (fr)

Prothèse vasculaire de type mousse avec porosité ouverte angio-permissive bien définie

Publication

EP 1669044 A3 20080109 (EN)

Application

EP 06006603 A 19991119

Priority

- EP 99959063 A 19991119
- US 14470499 P 19990720
- US 43464999 A 19991105

Abstract (en)

[origin: EP1669044A2] A vascular prosthesis is constructed from a well-defined pore structure to allow uninterrupted ingrowth of connective tissue into a wall of the prosthesis. Several different method can be used to produce the prosthesis, including a vacuum impregnation technique, a paste molding technique, a paste extrusion technique, a dip coating technique, and a melt extrusion technique. Furthermore, mechanical properties of the prosthesis are matched with mechanical properties of the host vessel, thereby overcoming problems of compliance mismatch.

IPC 8 full level

A61F 2/06 (2006.01)

CPC (source: EP)

A61F 2/0077 (2013.01); **A61F 2/06** (2013.01); **A61L 27/18** (2013.01); **A61L 27/507** (2013.01); **A61L 27/56** (2013.01); **A61L 31/146** (2013.01); A61F 2/2415 (2013.01); B29C 48/00 (2019.02); B29C 48/10 (2019.02); B29K 2021/00 (2013.01); B29K 2075/00 (2013.01); B29K 2105/04 (2013.01); B29K 2105/06 (2013.01); B29K 2105/16 (2013.01)

C-Set (source: EP)

A61L 27/18 + **C08L 75/04**

Citation (search report)

- [XY] US 4932964 A 19900612 - BITTMANN PETER [CH], et al
- [XY] US 4657544 A 19870414 - PINCHUK LEONARD [US]
- [Y] US 4725273 A 19880216 - KIRA KAZUAKI [JP]

Cited by

EP3630212A4

Designated contracting state (EPC)

DE FR

DOCDB simple family (publication)

EP 1669044 A2 20060614; **EP 1669044 A3 20080109**

DOCDB simple family (application)

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